

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

ABSTRACT

~~To provide a light source apparatus capable of striking a balance between miniaturization and high optical usable efficiency for concave mirrors as light generating means and light collecting means and further capable of emitting luminous fluxes in asymmetry to the light generating means and optical axes of the concave mirrors with high efficiency.~~

The ~~A~~ light source apparatus ~~consisting of~~ includes a lamp ~~11~~, an ellipsoidal mirror ~~12~~ of collecting a part of light radiated from a light transmission plane ~~111b~~ of the lamp ~~11~~, and a spherical mirror ~~13~~ of collecting another part of the light radiated from a light transmission plane ~~111a~~ not collected by the ellipsoidal mirror ~~12~~ and reflecting it on the ellipsoidal mirror ~~12~~, in which a reflection plane of the ellipsoidal mirror ~~12~~ and the reflection plane of the spherical mirror ~~13~~ are in a form of non-rotation symmetry to an optical axis ~~14~~ connecting a focal position F1 corresponding to a source of luminescence of the lamp ~~11~~ to a focal position F2 of the light collected by the ellipsoidal mirror ~~12~~ respectively, ~~a~~. The distance between the reflection plane of the spherical mirror ~~13~~ and the source of luminescence of the lamp ~~11~~ is shorter than the distance between the source of luminescence and the focus of the light collected by the ellipsoidal mirror ~~12~~, and a part of the reflection plane of the ellipsoidal mirror ~~12~~ is formed around the optical axis ~~14~~.

Respectfully submitted,



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Attachment: Abstract

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KATHLEEN LIBBY